ATO	TGC1	TTTT	TAA	ATTG	SCC 1	rgcg: rcca(IGACO CAGGI ATG	CC G(AG T(GCC	CCCA(GTGA(TCC	TG TGG	TAAA TGCT' GGG	AGAA TCAG GCT	GAA CAA GTC		A 120
															A CAG u Gln 25	279
															r AAT e Asn	327
															C ACT	375
															A CAG	423
															CTT Leu	471
TCT Ser 90	GCT Ala	TTT Phe	GTG Val	GAT Asp	CAG Gln 95	CCC Pro	AAA Lys	CAG Gln	GGT Gly	GCT Ala 100	Glu	ACT	GTC Val	Gln	GAG Glu 105	519
CTC Leu	TTG Leu	GAG Glu	GTG Val	GCC Ala 110	AAA Lys	GAC Asp	TCG Ser	ATC Ile	CCC Pro 115	AGA Arg	AGC Ser	CAC	TGG	GAA Glu 120	AGG Arg	567
ACC Thr	CCG Pro	GTG Val	GTT Val 125	CTG Leu	AAA Lys	GCA Ala	ACG Thr	GCC Ala 130	Gly	CTC Leu	CGT Arg	TTG Leu	CTG Leu 135	CCT Pro	GAG Glu	615
				GCT Ala												663
Ser	CCT Pro 155	TTC Phe	CTG Leu	GTC Val	CCA Pro	GAT Asp 160	GGC Gly	AGC Ser	GTT Val	AGC Ser	ATC Ile 165	ATG Met	GAT Asp	GGG Gly	TCC Ser	711
fyr 170	G1u	Gly	Ile	CTA Leu	Ala 175	Trp	Val	Thr	Val	Asn 180	Phe	Leu	Thr	Gly	Gln 185	759
CTG Leu	CAT His	GGT Gly	CGT Arg	GGC Gly 190	CAG Gln	GAG Glu	ACT Thr	GTG Val	GGG Gly 195	ACC Thr	CTT Leu	GAC Asp	CTG Leu	GGG Gly 200	GGT Gly	807
SCC Ala	TCC Ser	Thr	CAA Gln 205	ATC Ile	ACG Thr	TTT Phe	CTA Leu	CCC Pro 210	CAG Gln	TTT Phe	GAG Glu	AAA Lys	ACC Thr 215	CTG Leu	GAA Glu	855
AA . Sln	Thr	CCT Pro 220	AGG Arg	GC	TAC Tyr	Leu	ACT Thr 225	TCC Ser	TTT Phe	GAG Glu	ATG Met	TTT Phe 230	AAC Asn	AGC Ser	ACT Thr	903

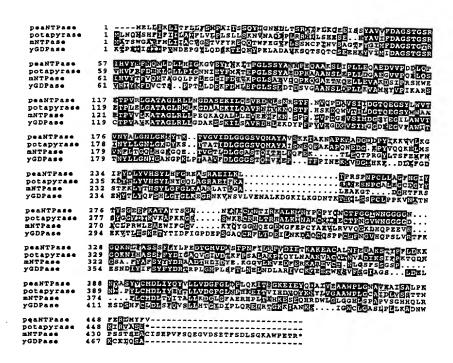
F16. 1

		Leu					Tyr								GCA Ala	951
	Leu					Ala					Gly				CAT His 265	999
					Cys					Leu	GAA Glu				Ile	1047
											CAA Gln			Glu		1095
											GTA Val					1143
											TTC Phe 325					1191
											ATC Ile					1239
											AAA Lys					1287
											CCT Pro					1335
GAC Asp	CTC Leu	ACT Thr 380	TAC Tyr	ATC Ile	ACA Thr	GCC Ala	CTG Leu 385	TTG Leu	AAA Lys	GAT Asp	GGT Gly	TTG Leu 390	GGC Gly	TTT Phe	GCC Ala	1383
											GAA Glu 405					1431
											CCA Pro					1479
											TGC Cys					1527
		Ser									TTT Phe	Ser				1575
GGA . Gly	Lys					Thr		TAAC	TGGT	тт т	ATAA	GGAG	G GA	.GGGG	TTTT	1629

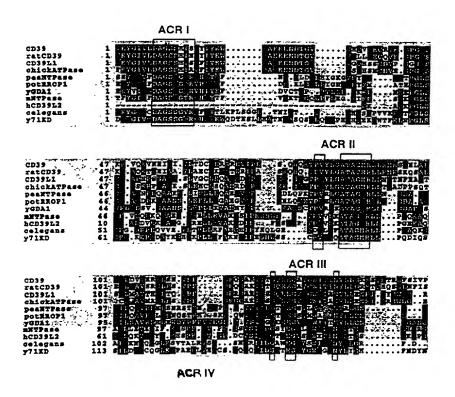
Fig. 1 (cont'd.)

TAGATGAGTC	TTGCTCTTGA	GCCTAGTGAT	TTGGGCTTCA	ATGATTTGCA	CATCTAATGT	1689
GAATAGCTCC	TAACCACTTG	GTGGGTGCAT	GGCTGGCACC	AGACTGTAAA	TCTTTTGGGA	1749
TTCTTTGTAC	AGAGTCCTGC	AAAGGAAAAA	AGAGAAAAGG	TTTGGAACTC	CATGCTAGAT	1809
TGCGAGTTCA	GAGACAGGTC	CCTGGGGACC	AAAGAACAAT	CTCGTTTCAA	CCCTTGGATG	1869
CCTCATTGCT	TTGAATGGAT	TCATTTTTGC	TTATAAGCTG	ATTTACTGAA	ATCCCATAAC	1929
CCATCAATGC	TGTTAATTTT	TTTCTTCCTA	CCCTTATTAC	ATTCCCTACC	CTABABACCCT	1989
GGGGGAAATA	CCTGGTTTTG	CTTCCCATCT	ATAATTGAGA	AAGAGGGGG	AAAAGATACT	2049
GTATTAGAAT	TTGTGTGATC	CTGTGGCACA	ATAGATCAAC	CAACCCATTT	AAAGCTTAAA	2109
AAAAAAAAA					-	2119

F16. 1 (contid.)



F16.2



F16.3

AAC GCC	SACCO SCGG1	GCT GCA	GCC0 TGG	SCCT(GCT C	CCCC	GAA7 GAA1	AA GO	GCAC AAAA	CTCGT AGGT <i>I</i>	CTC	CCGTC	GGT ATGA	GTGG AACI G AI	AGCCCA SCGGAG TTCCAG G AGA Et Arg	C A	60 120 180 237
															CCC Pro		285
															TGG		333
														GCA Ala			381
CCG Pro	GGG Gly	GCC Ala	CGG Arg	TGG Trp 55	GGT	CAG Gln	CAG Gln	GCC Ala	CAC His 60	`AGC Ser	CCC Pro	CTG Leu	GGG	ACA Thr 65	GCT Ala		429
														GGA Gly			477
														AGA Arg			525
														GGT Gly			573
														CGG Arg			621
														AAG Lys 145			669
														CCT Pro			717
														AAA Lys			765
														GGA Gly			813
														GGC Gly			861
														GGC Gly 225		!	909

FIG. 4

GG/ G1	A TC y Se	C AC	T CA r Gl 23	n Il	C GC0 e Ala	C TTC a Phe	CTO Let	G CCA 1 Pro 235	Arg	GT(G GAG l Glu	G GGC	ACC Thr 240	: Let	G CAG	957
GC0 Ala	C TC	C CC r Pr 24	o Pr	C GG O Gl	C TAC y Ty	C CTG	ACC Thr 250	Ala	A CTG	CG0	G ATG	TTT Phe 255	Ası	AGG Arg	ACC Thr	1005
TAC Tyr	260	s Le	C TA	r TCo	C TAC	C AGC Ser 265	Tyr	CTC Leu	GGG Gly	CTC Leu	GGG Gly 270	Leu	ATC Met	TCG Ser	GCA Ala	1053
CGC Arg 275	, ьег	G GCO	G ATO	C CTO	G GGC 1 Gly 280	GGC Gly	GTG Val	GAG Glu	GGG Gly	CAC Gln 285	Pro	GCT Ala	AAG Lys	GAT Asp	GGA Gly 290	1101
AAG Lys	GAG Glu	TTO	G GTO	Ser 295	Pro	TGC Cys	TTG Leu	TCT	CCC Pro 300	AGT Ser	TTC Phe	AAA Lys	GGA Gly	GAG Glu 305	TGG Trp	1149
GAA Glu	. CAC His	GCA Ala	A GAA a Glu 310	ı Val	ACG Thr	TAC Tyr	AGG Arg	GTT Val 315	TCA Ser	GGG Gly	CAG Gln	AAA Lys	GCA Ala 320	GCG Ala	GCA Ala	1197
AGC Ser	CTG Leu	CAC His 325	Glu	CTG Leu	TGT Cys	GCT Ala	GCC Ala 330	AGA Arg	GTG Val	TCA Ser	GAG Glu	GTC Val 335	CTT Leu	CAA Gln	AAC Asn	1245
AGA Arg	GTG Val 340	CAC	AGG Arg	ACG Thr	GAG Glu	GAA Glu 345	GTG Val	AAG Lys	CAT His	GTG Val	GAC Asp 350	TTC Phe	TAT Tyr	GCT Ala	TTC Phe	1293
TCC Ser 355	TAC Tyr	TAT Tyr	TAC Tyr	GAC Asp	CTT Leu 360	GCA Ala	GCT Ala	GGT Gly	GTG Val	GGC Gly 365	CTC Leu	ATA Ile	GAT Asp	GCG Ala	GAG Glu 370	1341
AAG Lys	GGA Gly	GGC Gly	AGC Ser	CTG Leu 375	GTG Val	GTG Val	GGG Gly	GAC Asp	TTC Phe 380	GAG Glu	ATC Ile	GCA Ala	GCC Ala	AAG Lys 385	TAC Tyr	1389
GTG Val	TGT Cys	CGG Arg	ACC Thr 390	CTG Leu	GAG Glu	ACA Thr	CAG Gln	CCG Pro 395	CAG Gln	AGC Ser	AGC Ser	Pro	TTC Phe 400	TCA Ser	TGC Cys	1437
ATG Met	GAC Asp	CTC Leu 405	ACC Thr	TAC Tyr	GTC Val	AGC Ser	CTG Leu 410	CTA Leu	CTC Leu	CAG Gln	Glu	TTC Phe 415	GGC Gly	TTT Phe	CCC Pro	1485
Arg	AGC Ser 420	AAA Lys	GTG Val	CTG Leu	AAG Lys	CTC L Leu ' 425	ACT Thr	CGG . Arg :	AAA . Lys	Ile .	GAC Asp 1	AAT (Asn)	GTT Val	GAG :	ACC Thr	1533
AGC Ser 435	TGG Trp	GCT Ala	CTG Leu	Gly	GCC Ala 440	ATT :	TTT Phe	CAT '	Tyr :	ATC Ile . 445	GAC :	ICC (Ser 1	CTG /	Asn A	AGA Arg 450	1581
CAG :	AAG . Lys	AGT Ser	Pro	GCC Ala 455	TCA Ser	TAGTO	GCC	GA G	CCAT	CCCT	G TC	CCCGT	CAG	CAG	rgtct	1637
عاطاتان	aTGC'	IG G	CACT	TTCT	G CA	CACTO	GCT	CTGC	GACT	የጥር (ממממי	GGCC	T CC	マヤー・マ	GCACA GCCC GCTC	1697 1757 1817

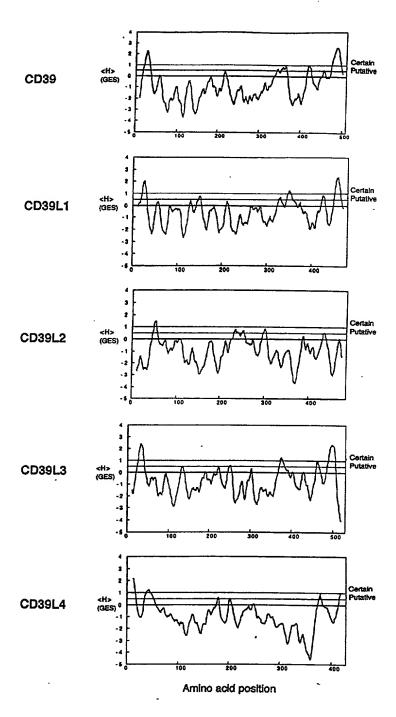
FIG. 4 (contid.)

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(HEET 8 OF 16)

AATGCCACCT	GTCTGCCTGG	GCTCCAAGTG	GGCAGGACCA	GGACAGAACC	ACAGGCACAC	1877
ACTGAGGGGG	CAGTGTGGCT	CCCTGCCTGT	CCCATCCCCA	TGCCCCGTCC	GCGGGGCTGT	1937
GGCTGCTGCT	GTGCATGTCC	CTGCGATGGG	AGTCTTGTCT	CCCAGCCTGT	CAGTTTCCTC	1997
CCCAGGGCAG	AGCTCCCCTT	CCTGCAAGAG	TCTGGGAGGC	GGTGCAGGCT	GTCCTGGCTG	2057
CTCTGGGGAA	GCCGAGGGAC	AGCCATAACA	CCCCCGGGAC	AGTAGGTCTG	GGCGGCACCA	2117
CTGGGAACTC	TGGACTTGAG	TGTGTTTGCT	CTTCCTTGGG	TATGAATGTG	TGAGTTCACC	2177
CAGAGGCCTG	CTCTCCTCAC	ACATTGTGTG	GTTTGGGGTT	AATGATGGAG	GGAGACACCT	2237
CTTCATAGAC	GGCAGGTGCC	CACCTTTCAG	GGAGTCTCCC	AGCATGGGCG	GATGCCGGGC	2297
ATGAGCTGCT	GTAAACTATT	TGTGGCTGTG	СТССТТСАСТ	GACGTCTCTC	TCGTGTGGGT	2357
GCCAAGTGCT	TGTGTAGAAA	CTGTGTTCTG	ACCCCCCTTTT	TOTOCOTOTO	7.7.CTCTGTGGGT	
CCC A A CCC		CIGIGITCIG	AGCCCCCIII	TCTGGACACC	AACTGTGTCC	2417
TGTGAATGTA	TCGCTACTGT	GAGCTGTTCC	CGCCTAGCCA	GGGCCATGTC	TTAGGTGCAG	2477
CTGTGCCACG	GGTCAGCTGA	GCCACAGTCC	CAGAACCAAG	CTCTCGGTGT	CTCGGGCCAC	2537
CATCCGCCCA	CCTCGGGCTG	ACCCCACCTC	CTCCATGGAC	AGTGTGAGCC	CCGGGCCGTG	2597
CATCCTCCTC	AGTGTGGCGT	CACTCTCCCC	CCECACCCCC	MMC3 COMCOM		
macacmoore	MOTOTOGCGI	CAGIGICGGG	GCIGAGCCCC	TIGAGCIGCI	TCAGTGAATG	2657
TACAGTGCCC	GGCACGAGCT				GTTGACAGGG	2717
GCTTCTCCTT	CAAAAAAAAA	AAAAAAAAA	AAAAAAAA	AAAAA		2762

FIG. 4 (contid)



F16.5

9598-066

"SHEET ID OF 16)

ACC	CACG	CACA(CTG	GCCG(AGGA(CGG (SAAA	AG A	ATG I	TC A	CT G	TG C al L	TG A	CC C	CGC (CAA	GAATCO CA TO Pro Cy	GT 11: ys
GA G1	G CA u Gl	A GO	CA GO	GC CI Ly Le 15	eu Ly	AG GC 's Al	C CT a Le	C TA	C CG r Ar 20	A AC	T CC	A AC	C AT	C AT e Il 25	T GCC e Ala	C 160
TT	G GT u Va	G G1 l Va	C T7	eu Le	T GI	G AG	T AT	T GT e Va: 35	G GTI	A CT:	T GTO	G AG l Se	T AT	e Th	T GTO	208 L
ATC Ile	C CA	G AT n Il 45	e Hi	C AA .s Ly	G CA	A GA n Gl	G GT u Va 50	C CTO	C CCT	CCF Pro	A GG/ o Gly	A CT y Le 55	G AA u Ly	G TA	T GGT	256
AT:	Va:	G CT l Le	G GA u As	T GC p Al	C GG a Gl	G TC y Se: 65	T TC	A AGA r Arç	A ACC	ACA Thr	Val	TA:	C GT r Va	G TA l Ty	T CAA	304
TGC Trp 75	CCA Pro	A GC	A GA a Gl	A AA u Ly:	A GA S Gl 80	G AA' u Ası	r AA1 n Asr	r ACC	GGA Gly	GTG Val 85	GTC Val	AG: Sei	r CA	A AC	C TTC r Phe 90	352
AAA Lys	TGT	AG: Se:	r GT r Va.	G AAI l Lys 95	A GGG S Gly	C TCT y Ser	r GGA r Gly	A ATC	TCC Ser 100	Ser	TAT	GG#	A AA:	F AAG n Ass 105	C CCC Pro	400
CAA Gln	GAT Asp	GT(C CCC L Pro 110	o Arg	A GCC	TTI Phe	GAG Glu	GAG Glu 115	TGT Cys	ATG Met	CAA Gln	AAA Lys	GT(Val 120	. Lys	GGG Gly	448
CAG Gln	GTT Val	Pro 125	Ser	C CAC	CTC Leu	CAC His	GGA Gly 130	Ser	ACC Thr	CCC Pro	ATT Ile	CAC His 135	Leu	GGA Gly	GCC Ala	496
ACG Thr	GCT Ala 140	Gly	ATC Met	G CGC Arg	TTG Leu	Leu 145	Arg	TTG Leu	CAA Gln	AAT Asn	GAA Glu 150	ACA Thr	GCA Ala	GCT Ala	AAT Asn	544
GAA Glu 155	GTC Val	CTT	GAA Glu	AGC Ser	Ile 160	CAA Gln	AGC Ser	TAC Tyr	TTC Phe	AAG Lys 165	TCC Ser	CAG Gln	CCC	TTT Phe	GAC Asp 170	592
rne	Arg	GIY	Ala	Gln 175	Ile	Ile	Ser	GGG Gly	Gln 180	Glu	Glu	Gly	Val	Tyr 185	Gly	640
rp	He	Thr	Ala 190	Asn	Tyr	Leu	Met	GGA Gly 195	Asn	Phe	Leu	Glu	Lys 200	Asn	Leu	688
rgg Tp	CAC His	ATG Met 205	TGG Trp	GTG Val	CAC His	CCG Pro	CAT His 210	GGA Gly	GTG Val	GAA . Glu	Thr	ACG Thr 215	GGT Gly	GCC Ala	CTG Leu	736
sp	TTA Leu 220	GGT Gly	GGT Gly	GCC Ala	TCC Ser	ACC Thr 225	CAA Gln	ATA :	TCC Ser	Phe V	GTG (Val 2 230	GCA Ala	GGA Gly	GAG Glu	AAG Lys	784

F16.6

ATG Met	GAT Asp	CTG Leu	AAC Asn	ACC Thr	Ser	GAC Asp	ATC	ATG Met	CAG Gln	Val	TCC Ser	CTG Leu	TAT Tyr	GGC Gly	Tyr	832
235					240					245					250	
GTA Val	TAC Tyr	ACG Thr	CTC Leu	TAC Tyr 255	ACA Thr	CAC His	AGC Ser	TTC Phe	CAG Gln 260	Cys	TAT Tyr	GGC Gly	CGG Arg	AAT Asn 265	GAG Glu	880
GCT Ala	GAG Glu	AAG Lys	AAG Lys 270	Phe	CTG Leu	GCA Ala	ATG Met	CTC Leu 275	CTG Leu	CAG Gln	AAT Asn	TCT Ser	CCT Pro 280	ACC Thr	AAA Lys	928
											TAT Tyr					976
ACC Thr	ATG Met 300	Gly	CAT His	GTA Val	TTT Phe	GAT Asp 305	AGC Ser	CTG Leu	TGC Cys	ACT Thr	GTG Val 310	GAC Asp	CAG Gln	AGG Arg	CCA Pro	1024
GAA Glu 315	AGT Ser	TAT Tyr	AAC Asn	CCC Pro	AAT Asn 320	GAT Asp	GTC Val	ATC Ile	ACT Thr	TTT Phe 325	GAA Glu	GGA Gly	ACT Thr	GGG Gly	GAC Asp 330	1072
CCA Pro	TCT Ser	CTG Leu	TGT Cys	AAG Lys 335	GAG Glu	AAG Lys	GTG Val	GCT Ala	TCC Ser 340	ATA Ile	TTT Phe	GAC Asp	TTC Phe	AAA Lys 345	GCT Ala	1120
TGC Cys	CAT His	GAT Asp	CAA Gln 350	GAA Glu	ACC Thr	TGT Cys	TCT Ser	TTT Phe 355	GAT Asp	GGG Gly	GTT Val	TAT Tyr	CAG Gln 360	CCA Pro	AAG Lys	1168
ATT Ile	AAA Lys	GGG Gly 365	CCA Pro	TTT Phe	GTG Val	GCT Ala	TTT Phe 370	GCA Ala	GGA Gly	TTC Phe	TAC Tyr	TAC Tyr 375	ACA Thr	GCC Ala	AGT Ser	1216
GCT Ala	TTA Leu 380	AAT Asn	CTT Leu	TCA Ser	GGT Gly	AGC Ser 385	TTT Phe	TCC Ser	CTG Leu	GAC Asp	ACC Thr 390	TTC Phe	AAC Asn	TCC Ser	AGC Ser	1264
ACC Thr 395	TGG Trp	AAT Asn	TTC Phe	TGC Cys	TCA Ser 400	CAG Gln	AAT Asn	TGG Trp	AGT Ser	CAG Gln 405	CTC Leu	CCA Pro	CTG Leu	CTG Leu	CTC Leu 410	1312
CCC Pro	AAA Lys	TTT Phe	GAT Asp	GAG Glu 415	GTA Val	TAT Tyr	GCC Ala	CGC Arg	TCT Ser 420	TAC Tyr	TGC Cys	TTC Phe	TCA Ser	GCC Ala 425	AAC Asn	1360
											TTC Phe					1408
TGG Trp	CCC Pro	CAA Gln 445	ATA Ile	CAC His	TTT Phe	GAA Glu	AAA Lys 450	GAA Glu	GTG Val	GGG Gly	AAT Asn	AGC Ser 455	AGC Ser	ATA Ile	GCC Ala	1456
TGG Trp	TCT Ser 460	CTT Leu	GGC Gly	TAC Tyr	ATG Met	CTC Leu 465	AGC Ser	CTG Leu	ACC Thr	AAC Asn	CAG Gln 470	ATC Ile	CCA Pro	GCT Ala	GAA Glu	1504
AGC Ser 475	CCT Pro	CTG Leu	ATC Ile	CGT Arg	CTG Leu 480	CCC Pro	ATA Ile	GAA Glu	CCA Pro	CCT Pro 485	GTC Val	TTT Phe	GTG Val	GGC Gly	ACC Thr 490	1552

Fig. 6 (cont.d.)

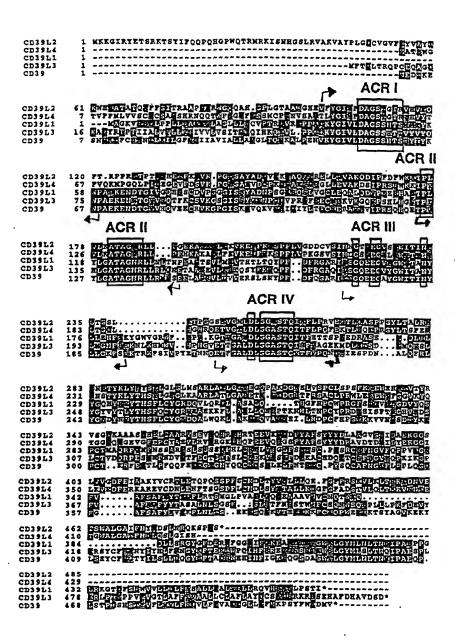
														CTT Leu 505		1600
											-			GCC Ala		1648
			GTG Val				TGAC	CCTI	CA F	AGC#	AGCT	C TO	GAG	TCCA	A TGGC	1703
TGCT	TAGA	GT (CAGCO	TGGG	T GO	CACC	AGGC	: AAT	'GCAG	GTG	AAGT	GGCI	GC	CTTC	AGGAAA	1763
TACA	ACTA	AC 7	AAA	TCAP	A CA	CCTA	GGTC	: ACG	TGCC	TCT	CAAA	TACT	'GA	TTTCT	GCCAC	1823
AGCA	CCTC	TT C	AGGC	ATC	C TI	GGCI	ATTC	TGI	'GCA'I	TTA	GTTC	TTC	GA	GACCI	CACTA	1883
CCCA	CATO	CT G	ATCI	ATTC	G GG	AACA	GAGA	AGA	GACA	GGC	CACT	AAGG	TC	AGGCT	CTTTA	1943
TATT	AAGI	TC C	CCAG	AGGA	A GA	GTAA	GTTG	AGA	AGGT	ATC	AGTI	TAAT	GT	TGAAG	AATTG	2003
ACCT	CAGG	GC 1	CAGI	TTCC	A TI	TCCC	TCCC	TCA	GTAT	TCT	TCCI	GGCA	AG .	ATACC	CATTA	2063
AGCA	TTTC	GC C	AATC	AGAA	T CI	CATI	TTAT	AGT	TTTT	CCC	ATTG	GTCI	TT.	AACTA	AGACT	2123
TTCT	TGTA	GC A	ATCT	CGTA	A GC	AGTG	AACC	: ccc	TCAG	ATC	AGTA	GAAT	AT .	AGTAI	CTGGG	2183
GGAG	AAGA	CT I	ACTI	CCTI	C AG	GGCA	GCAG	CCA	CAGC	CAG	GCTI	CTGT	CA	TACAG	GTAGA	2243
TCCC	GAAG	CA C	AGAG	ACAT	A AA	AAAG	GTCT	CCC	AGAA	AAC	TATA	GACC	AT	TCTCC	AAGTG	2303
GAAT	TCCC	AC 1	TAGG	GCTC	T GG	TCAC	TAGA	TTG	CAAC	CTG	TGTG	TTTG	TC .	ATCAT	CCTCA	2363
TCTC	ACCA	TT G	TATT	GCTA	T GC	CCTC	CCAT	AAA	AACA	CAT	TGAT	CCCT	AG (CAAGA	TTATT	2423
GCAT	TCCA	GA I	TTTA	CTGC	C TT	TGCT	AGGC	TTT	TGCT	TAG	CAAA	GGGC	TG :	ACTTT	CCATT	2483
GTTA	TCAT	GG I	GTAT	ATAT	T TT	TGTC	ACCA	TTC	CCAC	AAG	TATA	CTTG	AT (GTTGT	CATAG	2543
AACG.	AACA	TC C	TACT	CTAT	G AT	TTAC	TAAC	CAA	TTAC	TTT	CCCA	GATC	AT A	AGACC	TCTCT	2603
GCAT.			ATAG												TTATC	2663
															CAGCA	2723
				GTTT	C TT	AGCT	GAAT	ATG	GAAT.	AAA	GAAC	TATT	AT :	TATT	TTTGA	2783
AAAA	AAAA	AA A	AAA													2797

Fig. 6 (cont.d)

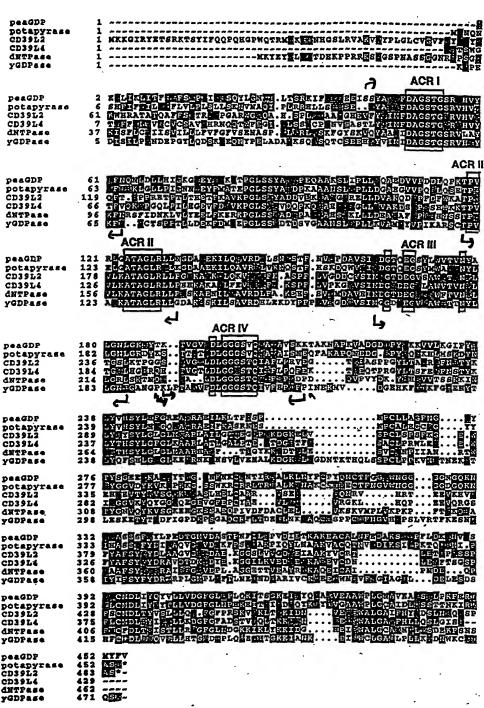
GCGCGCGCGT TCATACAGAC AAAAAGTGAT TGCAGGTGTC AAAAGA ATC Met	AAGATCAT ATAATAAA CGAGCAGG	TA TGGTGC GG AACCAA AT TGCTTC TCT TGG G	TGTT AGG GGAG AAA TGCA ACA	TAGGACT ATTCAGA AAAAGCCT STC TTT T /al Phe F	AGGAAAGAA CCACCCAGG TC ATG C1	AA AAATI CC ACATO IG GIG O	GCCTC CTTGGG	60 120 180 240 288
TCC TGT GT Ser Cys Va 15	T TGC AGC	GCT GTC Ala Val 20	TCC CAC Ser His	AGG AAC Arg Asn 25	CAG CAG	ACT TGG Thr Trp	TTT Phe 30	336
GAG GGT AT	CC TTC CTG Le Phe Leu 35	TCT TCC	ATG TGC Met Cys	CCC ATC Pro Ile 40	AAT GTC A	AGC GCC Ser Ala 45	AGC Ser	384
ACC TTG TA	AT GGA ATT Yr Gly Ile 50	ATG TTT	GAT GCA Asp Ala 55	GGG AGC Gly Ser	Thr Gly	ACT CGA Thr Arg 60	ATT Ile	432
CAT GTT TA His Val Ty	r Thr Phe	Val Gln	AAA ATG Lys Met 70	CCA GGA Pro Gly	CAG CTT (Gln Leu 1 75	CCA ATT Pro Ile	CTA Leu	480
GAA GGG GZ Glu Gly Gl 80	AA GTT TTT u Val Phe	GAT TCT Asp Ser 85	GTG AAG Val Lys	CCA GGA Pro Gly	CTT TCT (Leu Ser) 90	GCT TTT Ala Phe	GTA Val	528
GAT CAA CO Asp Gln Pr 95	T AAG CAG O Lys Gln	GGT GCT Gly Ala 100	GAG ACC Glu Thr	GTT CAA Val Gln 105	GGG CTC : Gly Leu !	TTA GAG Leu Glu	GTG Val 110	576
GCC AAA GA Ala Lys As	AC TCA ATC sp Ser Ile 115	Pro Arg	AGT CAC Ser His	TGG AAA Trp Lys 120	AAG ACC (Lys Thr	CCA GTG Pro Val 125	GTC Val	624
CTA AAG GO Leu Lys Al	CA ACA GCA a Thr Ala 130	GGA CTA Gly Leu	CGC TTA Arg Leu 135	CTG CCA Leu Pro	GIU HIS	AAA GCC Lys Ala 140	AAG Lys	672
GCT CTG CT Ala Leu Le 14	eu Phe Glu	Val Lys	GAG ATC Glu Ile 150	TTC AGG Phe Arg	AAG TCA (Lys Ser 1 155	CCT TTC Pro Phe	CTG Leu	720
GTA CCA AF Val Pro Ly 160	AG GGC AGT vs Gly Ser	GTT AGC Val Ser 165	ATC ATG Ile Met	GAT GGA Asp Gly	TCC GAC (Ser Asp (170	GAA GGC Glu Gly	ATA Ile	768
TTA GCT TO Leu Ala Ti 175	G GTT ACT p Val Thr	GTG AAT Val Asn 180	TTT CTG Phe Leu	ACA GGT Thr Gly 185	CAG CTG (Gln Leu	CAT GGC His Gly	CAC His 190	816
AGA CAG GA Arg Gln Gl	AG ACT GTG iu Thr Val 195	Gly Thr	TTG GAC Leu Asp	CTA GGG Leu Gly 200	GGA GCC S	TCC ACC Ser Thr 205	CAA Gln	864
ATC ACG TT	CC CTG CCC ne Leu Pro 210	CAG TTT Gln Phe	GAG AAA Glu Lys 215	ACT CTG Thr Leu	Glu Gin	ACT CCT Thr Pro 220	AGG Arg	912
GGC TAC CT Gly Tyr Le 22	eu Thr Ser	Phe Glu	ATG TTT Met Phe 230	AAC AGC Asn Ser	ACT TAT I	AAG CTC Lys Leu	TAT Tyr	960

		Ser					Gly				GCA Ala 250	Arg				1008
CTG Leu 255	Gly	GCC Ala	CTG Leu	GAG Glu	ACA Thr 260	Glu	GGG Gly	ACT Thr	GAT Asp	GG G G1 y 265	CAC His	ACT Thr	TTC Phe	CGG Arg	AGT Ser 270	1056
GCC Ala	TGT Cys	TTA Leu	CCG Pro	AGA Arg 275	TGG	TTG Leu	GAA Glu	GCA Ala	GAG Glu 280	TGG Trp	ATC Ile	TTT Phe	GGG Gly	GGT Gly 285	GTG Val	1104
											GTG Val					1152
											AAA Lys					1200
											TCT Ser 330					1248
											AAG Lys					1296
AAA Lys	GTT Val	GAA Glu	Asp	TTT Phe 355	GAA Glu	AGA Arg	AAA Lys	GCC Ala	AGG Arg 360	GAA Glu	GTG Val	TGT Cys	GAT Asp	AAC Asn 365	TTG Leu	1344
GAA Glu	AAC Asn	TTC Phe	ACC Thr 370	TCA Ser	GGC Gly	ÄGT Ser	CCT Pro	TTC Phe 375	CTG Leu	TGC Cys	ATG Met	GAT Asp	CTC Leu 380	AGC Ser	TAC Tyr	1392
ATC Ile	ACA Thr	GCC Ala 385	CTG Leu	TTA Leu	AAG Lys	Asp	GGC Gly 390	TTT Phe	GGC Gly	TTT Phe	GCA Ala	GAC Asp 395	AGC Ser	ACA Thr	GTC Val	1440
Leu	CAG Gln 400	CTC Leu	ACA /	AAG Lys	Lys	GTG : Val : 405	AAC Asn	AAC Asn	ATA Ile	GAG Glu	ACG Thr 410	GGC Gly	TGG Trp	GCC Ala	TTG Leu	1488
GGG Gly 415	GCC Ala	ACC Thr	TTT (Phe l	His :	CTG 1 Leu 1 420	TTG (Leu (CAG Gln	TCT Ser	Leu (GGC Gly 425	ATC Ile	TCC Ser	CAT His	TGAG	GCCAC	1539
TTTC: TACAC TCAC CCAG TCCAC	rgaa Catc Agag Ggac Ctga Caat	CT AGENT AGE	GTCT(TGTG/ CCTG' TCCC' TTTA/ AGTA'	GGGA(AACT(FGAG(FGGA) AATTT	C ATO C CAP A ACO T TTO	CCTG(GCCT) AAAA(CAAA(CTCT) CCTC(Sact Pacc Stat Saaa Paaa Ccta	ACTO ACTO AGTO AATO TGGO TACI	GCCTA CAAGA TTTGC CGCA CGCA AGTGC	AGA AGT GAA FTT CTG	GATT' ACAC CTTA CAAC ACTT	TAGG AGCT ACCT CCTT ATTG	TT TI GG CI TG GI TG AC	AATT ACCA AGTG ETGC CCC	CTTAG AATTT GAGCA AGAGC CTCAT AAGAC GCACC	1599 1659 1719 1779 1839 1899 1959

F16. 7 (cont'd)



F16.8



F16. 9